

St. Maries School District #41 (Saint Maries, ID)

This project will provide HVAC system upgrades to Heyburn Elementary, Upriver Elementary, St. Maries Middle School, St. Maries High School, and an Alternative Learning Building to provide reliable, energy efficient, long-lasting systems for the community. Energy efficiency measures will include the installation of air source heat pump chillers with heat recovery to generate heating hot water and chilled water. Water is currently heated through the burning of fossil fuels (heating oil) and cooling does not currently exist at any of the schools. The heat pump systems will have pellet biomass boilers to generate hot water when low outside air temperatures reduce heat pump capacity and efficiency. Envelope upgrades will include envelope sealing at all schools with siding and drainage improvements at the High School to eliminate mold growth potential. These improvements will reduce the building energy use while still increasing the amount of ventilation air provided for student health.

Community Benefits

St Maries’ approach includes several innovative energy-efficiency measures with mechanical systems sourced from local businesses. In addition, the district’s use of clean, green biomass fuels from the community will save the district operational dollars while supporting local businesses.

The project will provide educational opportunities for 7th and 8th grade students through curricula supporting Career and Technical Education (CTE). Students will learn how shared heat/cooling systems work, the environmental benefits of waste biomass fuels, and how these systems support the local community.

St. Maries and McKinstry believe that promoting diversity and inclusion is an integral component of their continuing quest for organizational excellence. They are committed to strengthening their diversity through recruiting and retaining minority and women professionals from all backgrounds.

Team Members	
• McKinstry	
Total Funds Requested	\$ 14,192,525
Proposed Cost Share (%)	\$ 746,975 (5%)
Number of Buildings	5

